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# St. Petersburg Amateur Radio Club

PUBLISHER

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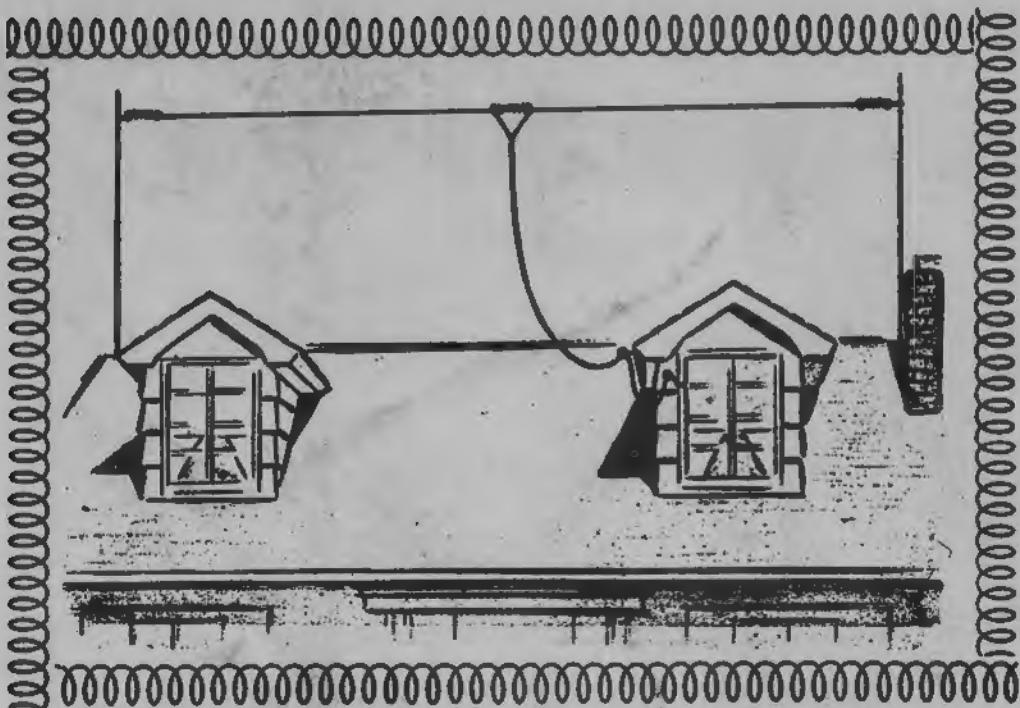
WA4AC

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S P A R C - G A P

NOVEMBER 1974



REGULAR MEETINGS ON THE FIRST FRIDAY  
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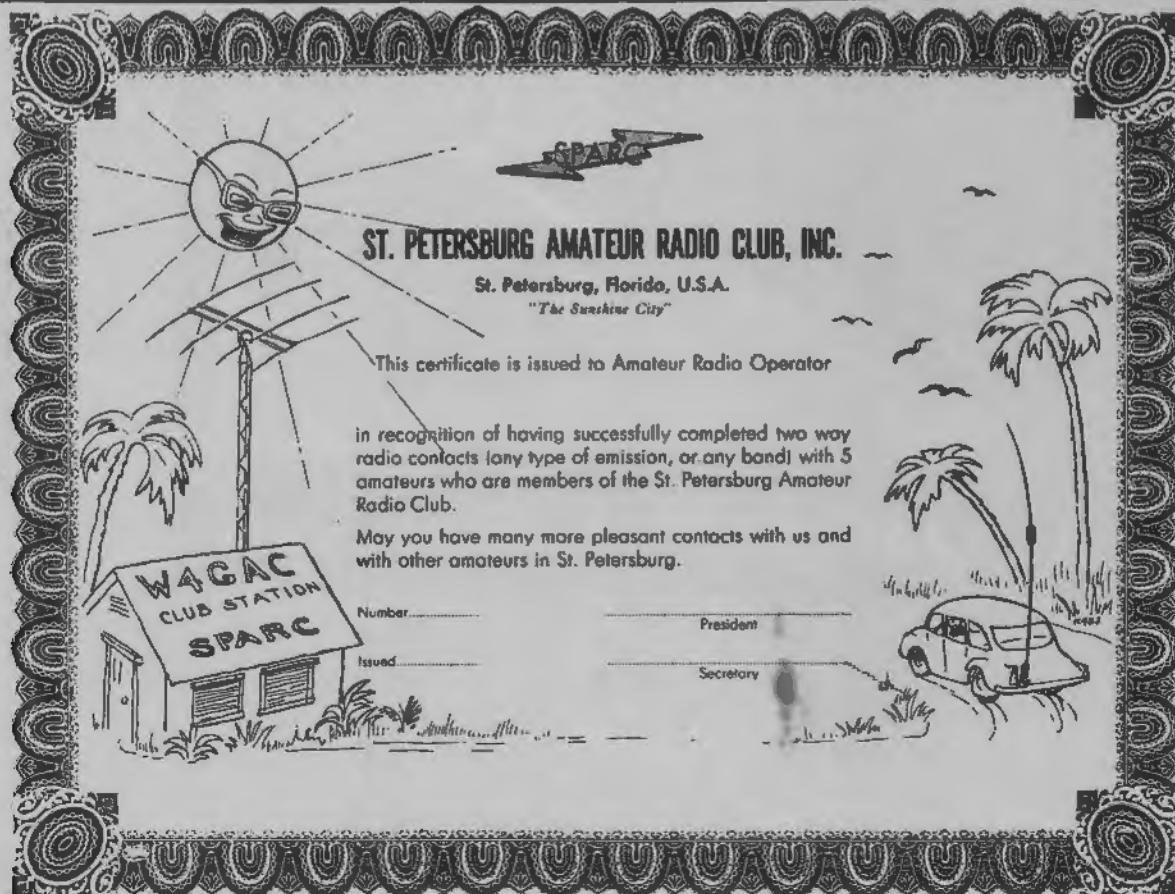
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S P A R C - G A P

NEXT MEETING, NOVEMBER 1st 1974 at 9:00 P.M.

RED CROSS HEADQUARTERS

818 - 4th Street North, St.Petersburg,Florida.

\* P R O G R A M\*

Dee R.Gooch, W4JIK - member of the Clearwater Radio Club, will be our guest speaker, his program will be DX- Expedition including slides with commentary on each slide. There will also be a question and answer session at the end of the program.

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At our last meeting we had 39 members and 5 guests - Our speaker was Vern Parks, K4IGO, and the subject was DIODES. Vern certainly kept everyone interested, and I am certain that we all learned something about diodes, plus the facts about the proper ways of testing them, even the quality of diodes that are presently on the market. Well, Vern thanks a lot and do come back with more.....

If everyone of our members was to buy a book of tickets the repeater would just about be ours, think about it.....

The membership wishes to thank our own Bill Foley, W4WME - for donating the 40/80 meter traps and antenna and for arranging its installation,for the club.

Bill Franklin W4KC is making up Coax and relay to get Novice station on the air. Thanks Bill.....

WELCOME NEW MEMBERS

Victor Astolsi - WN4FYS - 13331 Gulf Blvd, Maderia Beach, Phone 391-8615

Linda M. Astolsi - WN4FYU 13331 Gulf Blvd, Maderia Beach, Phone 391-8615

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At our next meeting the nominating committee will present their selections. This will be the only time that nominations can be made from the floor. The December meeting will be for voting only.

SICK LIST \*\*\*\*\*

Bill Dixon - W4BQ is still at Bay Pines Hospital, no word as to his condition, a few cards is always a help.

Lew Litzenberg - W4RUN - and Wynona his XYL are both hospitalized with very little information as to their condition. Latest news,Wynona suffered a severe stroke and placed in the Apola Medical Center. Lew suffered a heart attack while visiting his Xyl, and he too had to be hospitalized. The latest is that they are both at the South Heritage Home recuperating. Lew will be out in a couple of weeks, but his xyl Wynona will take lots more time. We all wish you well soon.

ANYONE IN NEED OF REPEATER TEAM TICKETS CALL JIM KEYES 822-1699- ONLY ONE HRT-2'S TO EACH TICKET AT EACH DRAWING.....

S P A R C - G A P

We certainly welcome back home our Lee Kanarain - K4WXS, after a nice long tour from one end of the country to the other, she was sorry to have missed the ARRL convention which took place in N.Y.C about July 21. Left N.Y.C after a week of visiting, and theatre-going, on the 11th of July. On to Chicago, then Flagstaff, Ariz. and the Grand Canyon. Of all the sights during her tours the most memorable one is that of the Grand Canyon. On to Los Angeles, San Francisco and on up to the Great Northwest. While at Space Needle in Seattle, having breakfast we were able to see the top of Mt.Ranier. While viewing the scenery from the bubble top lounge car from Vancouver to Jasper, Can. Mt Robson was entirely visible (this is the highest mountain in that range). The conductor said it hadn't been seen a single time in the last two years. Jasper and the surrounding territory was beautiful, and so was Lake Louise and Banff. Then to the Glacier National Park. Before crossing the border between Canada and U.S. we took a sight-seeing trip to the top of the Canadian Rockies at that point we were able to touch the snow and ice glaciers (in the middle of summer) up about 6,900 ft. Thanks a lot Lee and nice to have you back.

OFFICIAL BULLETIN FROM ARRL: The comment deadline in Docket 19658, The FCC proposal for a new fees schedule, has been extended a month. for amateurs, the basic fee would be six dollars for a five year license, as opposed to nine dollars at present and ten dollars in the 1972 proposal which has never become effective. Modifications without renewal are proposed at five dollars, against four now and five in the 1972 list, Special call sign fees would remain at twenty five dollars. Novice licenses, RACES authorizations and military recreation stations would continue to be free of charge. The new comment deadline is October 21, reply comments by November 4. The procedural requirement of an original and fourteen copies applies as usual.

WANTED: Equipment relay rack or cabinet for 19 inch panels - require a minimum of 36-inches of panel space. Call K4QG phone 527-4781 Art Monsees.

FOR SALE: SB-200 by Heathkit, mint condition, Price \$220.00 - Call 343-8483 between 5PM and 11:00 PM. Wm.C.Paterson WA4CVV.

Stan Kahn - K4JBL - Phone 343-7688 has the following old time tubes but they are new tubes: 811 8005 845 and VT4C between 1 and 4 of each type - call Stan for information.

Dear Members: We need your help !!!! Our repeater project is a very worthwhile undertaking. I believe it is the single most beneficial service our radio club will ever be able to provide for our community in both good times and under disaster conditions. Communications by local amateur operators even /without commercial power, will be assured.

Please show your support by selling as many repeater tickets as you can, join our repeater team, a tremendous job is being done.

de John Smith, W4ACG.

Dont forget: Repeater Team meetings to be held the first tuesday prior to the regular SPARC meeting same address.

Report from John Komp - WB4ITY : Novice Class October 17 thru December 20 time 7:30 P.M. to 8:30 P.M. bring Licenses Manual... General Class same dates and times, classes to be held at Red Cross Headquaters. The instructors are Joe Farran-W4UL0. Art Monsees K4QG. Dutch Romig WA4ZKP. Jim Harney K4DRN. Stan Kahn - K4GBL. This is a worthwhile program and any other members who wish to help as instructors or in any other way will certainly be appreciated.

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Repeater  
S.P.A.R.C. Newsletter No. 1.

September 22, 1974

To: All S.P.A.R.C. Repeater Team members.

This newsletter is the first of a series. It is anticipated that newsletters may be issued occasionally, on an irregular time interval, as the need arises.

The Executive Council of the St. Petersburg Amateur Radio Club has voted to accept the Repeater Team as an integral part of the club and the repeater project as a legitimate club project.

There will be no initiation fees for Repeater Team membership, as most team members will have already paid initiation fees to the club. Team members who have paid initiation fees to the team may have this fee (1) refunded, or (2) converted to club initiation fee (if not already a club member), or (3) considered an extra donation for the repeater project, as desired.

While it is not mandatory that repeater team and repeater users be club members, it is desirable to be so in order to receive repeater news published in "S.P.A.R.C. - GAP", the club journal. Regular club membership costs \$1 initiation fee plus dues \$4 annually, due on January 1st. Members joining between Oct. 1 and Dec. 31 pay \$1 and those joining between July 1 and Oct. 1 pay \$2 dues for the balance of the year. The spouse of a regular member may become a club member by paying \$1 per year dues.

We will not demand fees from anybody for using the repeater, however, local hams using the machine frequently will be invited to help support it with a \$10 per year donation. Persons donating will be considered team members, regardless of whether they are club members.

The Team Treasurer, Frank Woltemar K4SQ, will be considered an assistant to the club treasurer and will account for repeater funds separately in order that these funds may be readily available for construction and operation of the repeater. Any excess repeater funds will be expended on repeater projects or transferred to the club general treasury annually. Requirement for the \$10 per year donation will be re-evaluated annually and may be raised or lowered to cover expenses.

The "Repeater Committee" is a standing committee of the club. K4SCL, as Repeater Trustee, is now a member of the Executive Committee, same as the W4GAC Trustee.

WA4FNY is considered "First Assistant" to the Repeater Trustee, having general charge of such matters personnel accounting, gripes and morale, organizing team members for required projects, supervising control operators and establishing duty schedules for them, also public relations. He may appoint assistants as necessary. Control operators are: WA4FNY, WA4FNX, WA4KDL, WA4GDM, W4MCA, K4KE, WB4ZPU, WA4FPS. Each will receive a letter of authority from repeater trustee.

It is now 6 weeks since our license was applied for. If there was anything basically wrong with the application, we should have heard. Our license could arrive any time. We are ready to go operational with local control. Remote control lines are being worked on.

73,

*AN<sup>o</sup>rd*  
Woody, K4SCL, Repeater Trustee

9-22-74 Following are members of S.P.A.R.C. Repeater Team.

W4ACG	John Smith, 1924 Dolphin Blvd. S., 33707	345-0464
W4APV	James Eberwine, 8118 37 Av. N.,	347-0942
C WA4FNK	Betty W. Cox, 1918 Arrowhead Dr., N.E., 33702	527-8948
C WA4FNY	Billy D. Cox, 1918 Arrowhead Dr. N.E., 33702	527-8948
C WA4FPS	William W. Childs, P.O. Box 11361, St. Pete 33733 867-8450 (QTH: 2172 63rd Av. S., St. Pete)	
C K4KE	Dave Stocky, 4925 Queen St. N., 33714	526-4429
WB4LWB	John Merada, 10961 62 Av. N., Seminole 33542	391-2538
WA4PGS	Robert J. Kates, 8360 58th St. N., Pinellas Pk 33565 544-1214	
W4RQZ	William "Sim" Simcox, 3600 56 St N, 33710	344-1080
T K4SCL	Woodrow Huddleston, 219 Driftwood Ln, Largo 33540 584-0984	
W4SFT	George H. Knapp, 3990 20 St. N., St Pete 33714	525-0306
K4SQ	Frank Woltemar, 725 Snell Isle Blvd 33704	821 8962
WB4VWO	Gene Scarbro	
WA4WBM	Fred K. Marchman, Box 293, New Port Richey 33552	
C WA4GDM	Heide Marchman, 2901 61 Av N, St. Pete	522-5291
C WA4KLD	Dick Marchman, 2901 61 Av N, St. Pete	522-5291
WN4CTM	Larry Miner, 6683 36 Av. N., 33710	343-2973
C W4MCA	Wilmer Chapin, 1679 27 Av. N. 33713	895-3401
WB4ARZ	Kim Cole, 4226 Harrisburg St. N.E. 33703	525-9745
K4QG	Art Monsees, 1407 48 Av. N.E. 33703	527-4781
C WB4ZPU	Alice Stocky, 4925 Queen St. N. 33714	526-4429
WA4ZRX	Don McKenzie, 6420 5th Av. N., 33710	345-3403

On 9-21-74 duplexer was installed and tuned. WA4KDL and WA4WBM did a fine construction job. Tx side rejects Rx freq 107.7 db. Rx side rejects Tx freq 120 db. Duplexer loss to rcvr (antenna terminal to receiver terminal) is 1.0 db. Duplexer loss from xmtr (transmitter terminal to antenna terminal) measured 0.96 db by one method and 0.57 db by another method. Best estimate is 0.76 db. We got a cool 70 watts out of the duplexer. Tx pwr input 160 watts.

HAL ID-1A CW Station Identifier hooked up and working fine.

Adjusted IDC for max 5.0 KHz deviation, loud vowel sounds into station microphone, then set Audio Coupler to produce 3.3 KC Tx deviation out with 3.3 KC RX deviation received. Checked repeater linearity as fol: 1 kc dev in gave 1 kc dev out; 2KC-2KC; 3KC-3KC; 3.3KC-3.3KC; 4KC-4KC; 4.5KC-4.3KC limiting; 5.0KC-4.8KC limiting.

Our antenna pattern, from manufacturers drawings, gives a broad cardioid with 6 to 8 db gain in all directions except near SSW where it is -4 db. Our effective range for a 3 micro-volts per meter field strength or giving a 1 microvolt signal out of a quarter-wave whip, calculated per page 99 of "FM and Repeaters" handbook, ARRL, should be about 38 miles in all directions except 32 miles to SSW. Higher gain mobile antennas and more sensitive receivers with higher power mobile xmtrs will do better.

Control lines and control equipment are biggest "unfinished" area, but work is progressing.

Several people already have crystals for our 147.66 input/147.06 output. If you don't have yours, better get going.

73,  
*Woody*  
 Woody, K4SCL, Repeater Trustee

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